CLAIMS

What is claimed is:

1. A portable electronic video display comprising a housing, a display mounted in said housing, an optics assembly coupled to said display, and an RF receiver coupled to said display for receiving a signal from a source and inputting the signal to said display.

2. A portable electronic video display according to claim 1, further including a data input control mounted to said housing and coupled to a transmitter for sending control signals to a stand alone computer.

3. A portable electronic video display according to claim 1, wherein said display comprises an electroluminescent color sequential display.

4. A portable electronic video display according to claim 3, further including an LCD color shutter coupled to said display.

5. A portable electronic video display according to claim 1 wherein said optics assembly includes a field flattening lens, a color shutter, a reflective folding prism and a doublet lens mounted in optical alignment with the display.

6. A portable electronic video display according to claim 1 wherein said housing is configured to be worn on an operator's body.

7. A portable electronic video display according to claim 1, wherein the housing is configured to be worn on an operator's wrist.

8. A portable electronic video display according to claim 1, further including an eyepiece for viewing the display, and a power switch coupled to the eyepiece so that power is only delivered to the display when the power switch is engaged.

9. A portable electronic video display according to claim 1, wherein the source further includes a stand alone computer remotely linked to the portable electronic video display.

10. A portable electronic video display according to claim 9, further having a VGA connector of the computer connected to a RF data transmitter, the transmitter including an analog to digital converter for converting an analog video signal generated by the computer and a digital signal transmittable by the transmitter.

11. A portable electronic video display according to claim 10, including an antenna coupled to the receiver, wherein the digital signal sent by the transmitter is received by the receiver through the antenna and converted into an analog signal and sent to the display.

12. A portable electronic video display for use in conjunction with a computing device, comprising:

a housing configured to be worn on a part of the human body;

a receiver mounted in said housing;

a color sequential video display coupled to said receiver for displaying a video image of a signal received by the receiver;

a LCD color subtractive shutter optically aligned with the video display;

an optics assembly coupled to the display for allowing an operator to view the image generated by the display;

a data input control mounted to the housing and including a transmitter for transmitting control signals to a remote computer.

13. A portable electronic video display, according to claim 12, wherein the optics assembly includes a field flattening lens interposed between the display and the LCD shutter, a reflective folding prism, and a doublet lens optically aligned with the display for providing a viewable image to an operator.

14. A portable electronic video display according to claim 13, further including a stand alone computer remotely linked to the portable electronic video display.

15. A portable electronic video display according to claim 14, further having a VGA connector of the computer connected to a RF data transmitter, the transmitter including an analog to digital converter for converting an analog video signal generated by the computer and a digital signal transmittable by the transmitter.

16. A portable electronic video display according to claim 15, including an antenna coupled to the receiver, wherein the digital signal sent by the transmitter is received by the receiver through the antenna and converted into an analog signal and sent to the display.

17. A computer system comprising:

a computer having a video output coupled to an analog to digital converter, a transmitter coupled to the analog to digital converter for sending a video signal, and a receiver for receiving control signals from a remote source;

a display having a housing configured to be worn on a part of the human body;

a receiver mounted in said housing for receiving video signals from the transmitter;

a video display coupled to said receiver for displaying a video image of a signal received by the receiver;

an optics assembly coupled to the display for allowing an operator to view the image generated by the display;

a data input control mounted to the housing and including a transmitter for transmitting control signals to the computer.

18. The computer system, according to claim 17, wherein the optics assembly includes a field flattening lens, a reflective folding prism, and a doublet lens optically aligned with the display for providing a viewable image to an operator.

19. A portable electronic video display comprising:

a housing having an enclosed chamber and a viewing opening, wherein the housing is configured to be worn on an operator's wrist, and further wherein the viewing opening comprises an eyepiece configured such that an eye region of the operator may be placed proximate the eyepiece;

a display mounted in the housing;

an optics assembly coupled to the display and mounted within the housing, the optics assembly for projecting an image generated on the display to the viewing opening;

an RF receiver coupled to the display for receiving a signal from a source and inputting the signal to the display thus resulting in the generation of the image; and

a data input control mounted to the housing and coupled to a transmitter for sending control signals to a stand alone computer.

20. The portable electronic video display according to claim 19, wherein the display comprises an electroluminescent color sequential display.

21. The portable electronic video display according to claim 20, further comprising an LCD color shutter coupled to the display.

22. The portable electronic video display according to claim19, further comprising a power switch coupled to the eyepiece so that power is only delivered to the display when the power switch is engaged.

23. The portable electronic video display according to claim 19, wherein the source further comprises a stand alone computer remotely linked to the portable electronic video display.

24. The portable electronic video display according to claim 23, further comprising a VGA connector of the computer connected to a RF data transmitter, the transmitter comprising an analog to digital converter for converting an analog video signal generated by the computer into a digital signal transmittable by the transmitter.

25. The portable electronic video display according to claim 24, further comprising an antenna coupled to the receiver, wherein the digital signal sent by the transmitter is received by the receiver through the antenna and converted into an analog signal and sent to the display.

26. A portable electronic video display for use in conjunction with a computing device, comprising:

an enclosed housing configured to be worn on an operator's wrist and having a viewing opening, wherein the viewing opening comprises an eyepiece configured such that an eye region of the operator may be placed proximate the eyepiece;

a receiver mounted within the housing;

a color sequential video display also mounted within the housing and coupled to the receiver for displaying a video image of a signal received by the receiver;

a LCD color subtractive shutter optically aligned with the video display;

an optics assembly coupled to the display for allowing an operator to view the image generated by the display through the viewing opening; and

a data input control mounted to the housing and including a transmitter for transmitting control signals to a remote computer.

27. A portable electronic video display according to claim 26, further comprising a stand alone computer remotely linked to the portable electronic video display.

28. A portable electronic video display according to claim 27, further comprising a VGA connector of the computer connected to a RF data transmitter, the transmitter comprising an analog to digital converter for converting an analog video signal generated by the computer into a digital signal transmittable by the transmitter.

29. A portable electronic video display according to claim 28, further comprising an antenna coupled to the receiver, wherein the digital signal sent by the transmitter is received by the receiver through the antenna and converted into an analog signal and sent to the display.

30. A computer system comprising:

a computer having a video output coupled to an analog to digital converter, a transmitter coupled to the analog to digital converter for sending a video signal, and a receiver for receiving control signals from a remote source;

a display having an enclosed housing configured to be worn on an operator's wrist, wherein the housing comprises an eyepiece configured such that an eye region of the operator may be placed proximate the eyepiece;

a receiver mounted within the housing for receiving video signals from the transmitter;

a video display coupled to the receiver and contained within the housing of the display for displaying a video image of a signal received by the receiver;

an optics assembly contained within the housing and operably coupled to the video display for allowing an operator to view the image generated by the video display; and

a data input control mounted to the housing and including a transmitter for transmitting control signals to the computer.